

B1  
cont.

liquid, said liquid jet recording head comprising:

a plurality of heating elements;

a heating element plate having electrodes for supplying electric current to said heating elements; and

a cover plate, molded by resin material, forming a liquid reservoir storing said recording liquid and a plurality of passageways connected to said liquid chamber, one end of each of said passageways being connected to said liquid reservoir and an opposite end of each of said passageways servicing as an outlet port,

wherein said heating element plate and said cover plate are stacked so that each of said heating elements faces a respective one of said passageways, and wherein;

said outlet port is formed in said cover plate, and is a tip of said passageways or formed at said opposite end of each of said passageways;

an opening of said outlet port has a diameter equal to or less than 25  $\mu\text{m}$ ; and

said resin material has hardness of Rockwell M65 to M120.

<sup>1</sup>  
27. (New) The liquid jet recording head as claimed in claim ~~26~~<sup>1</sup>, wherein said heating elements of said heating element plate correspond to a plurality of color recording liquids, and said passageways of said cover plate corresponds to the plurality of color recording liquids.

<sup>1</sup>  
3 28. (New) The liquid jet recording head as claimed in claim ~~26~~<sup>1</sup>, wherein each of said fine particles is a pigment having a diameter ranging from 0.02  $\mu\text{m}$  to 0.2  $\mu\text{m}$ .

<sup>2</sup>  
BI conc. 42/ (New) The liquid jet recording head as claimed in claim ~~27~~, wherein each of said fine particles is a pigment having a diameter ranging from 0.02  $\mu\text{m}$  to 0.2  $\mu\text{m}$ .

<sup>1</sup>  
5 30/ (New) The liquid jet recording head as claimed in claim ~~26~~, wherein a head part forming said outlet port and a liquid reservoir part forming said liquid reservoir are integrally formed with each other.

<sup>6</sup>  
31/ (New) The liquid jet recording head as claimed in claim ~~30~~, wherein a head part forming said outlet port is separable from a liquid reservoir part forming said liquid reservoir.

<sup>7</sup>  
32/ (New) The liquid jet recording head as claimed in claim ~~31~~, wherein said liquid reservoir part is separable according to a kind of the recording liquid.

<sup>2</sup>  
8 33/ (New) The liquid jet recording head as claimed in claim ~~27~~, wherein a head part forming said outlet port and a liquid reservoir part forming said liquid reservoir are integrally formed with each other.

<sup>8</sup>  
9 34/ (New) The liquid jet recording head as claimed in claim ~~33~~, wherein a head part forming said outlet port is separable from a liquid reservoir part forming said liquid reservoir.

<sup>9</sup>  
16 35/ (New) The liquid jet recording head as claimed in claim ~~34~~, wherein said liquid reservoir part is separable according to a kind of the recording liquid.--